

FUTURE OF NUCLEAR

Meet the Panelists



Yasir Arafat

Yasir Arafat is the chief designer and project lead for the Microreactor Applications Research Validation and Evaluation, or MARVEL, project at Idaho National Laboratory and the national technical area lead for the Department of Energy Microreactor Program. Arafat specializes in nuclear systems design comprising agile product development, model-based systems engineering, process engineering, qualification testing reactor safety basis, and licensing for existing nuclear power plants, the Westinghouse AP1000 pressurized water reactor and the Westinghouse small modular reactor. He has been issued 12 patents for his inventions in advanced reactors.



Jess Gehin

Jess Gehin is the associate laboratory director for the Nuclear Science and Technology directorate at Idaho National Laboratory. Gehin originally joined INL in 2018 as the chief scientist for the NS&T directorate, bringing nearly 30 years of experience in reactor core physics and technologies. He also serves as the national technical director of the Department of Energy Office of Nuclear Energy's Microreactor Program. His research interests include nuclear reactor physics and reactor and fuel cycle technologies. Gehin is a Fellow of the American Nuclear Society.



John Revier

John Revier serves as the director of External Engagement and Communications for Idaho National Laboratory. In this capacity, Revier manages teams charged with the lab's industry engagement, government affairs outreach, community and regional relationships, and communications. Before coming to INL in 2015 as the director of state and regional government affairs, Revier served for over 14 years as Idaho Rep. Mike Simpson's legislative director and deputy chief of staff. Prior to that, Revier worked for Minnesota Sen. Rod Grams in both his state and Washington, D.C., offices.